

## ABSTRACT

5 A method for selecting a channel of interest from a plurality of  
communication channels which carry audio or video information, by: extracting  
image or sound characteristic data from said audio or video information,  
searching for specific content of interest based on said image or sound  
characteristic data and selecting a channel based on said content of interest is  
described. Image and sound characteristic data are stored on a content-based  
10 channel search server, which includes video search engines capable of  
matching attributes related to user interest profiles with data corresponding to  
current content of multiple channels. Users interact with the server via client  
terminals, which communicate with the server using the Internet protocol. Client  
terminal receive search results corresponding to matches between channel  
15 content and user profile. The client terminal controls a variety of viewing,  
recording and logging devices.

20

09761817-011801